

Program of JCF22 Meeting

Japan CF-Research Society

Supported by The Thermal & Electric Energy Technology Foundation

Date: March 5, 2022
Place: (Online)
Paper presentation: Oral presentation 20 min. + Discussion 5 min.
Language: English or Japanese
Book of Abstract: Only available at JCF home page (<http://jcfrs.org/>)

March 5 (Sat), 2022

10:00-10:10 **Opening Address** S. Narita (Iwate University)

Session-1 Chair: S. Narita (Iwate University)

10:10-10:35 **JCF22-1** Y. Mori et al. (Technova Inc.)

New MHE Experiments by D-System

10:35-11:00 **JCF22-2** M. Hasegawa et al. (Technova Inc.)

Characteristics of Excess Power Generation in MHE Experiments by D-System

11:00-11:25 **JCF22-3** H. Miura

Computer Simulation on the Metal Hydride Band Gaps of Pd, Ni and Cu Metal Lattices

11:30-12:00 **JCF Annual Meeting**

12:00-13:00 **Break**

Session-2 Chair: M. Kishida (Kyushu U)

13:00-13:25 **JCF22-4** Y. Iwamura et al. (Tohoku University)

Energy Generation using Nano-sized Multilayer Metal Composites with Hydrogen Gas; Intentional Induction of Heat Burst Phenomenon

13:25-13:50 **JCF22-5** T. Itoh et al. (Tohoku University/CLEAN PLANET Inc.)

Optical Observation of Spontaneous Heat Burst Phenomena during Hydrogen Desorption from Nano-sized Metal composite

13:50-14:15 **JCF22-6** T. Kobayashi (Waseda University)

Heat generation of metal composite powder caused by the pulse flow of hydrogen gas

14:15-14:30 **Break**

Session-3 *Chair: Y. Iwamura (Tohoku University)*

14:30-14:55 **JCF22-7** M. Kishida (Kyushu University)

Effects of Heat of Hydrogen Absorption and Heat of Alloy Phase Transition on Sustained Heat Generation from Palladium-Nickel-Zirconium Alloys in Hydrogen

14:55-15:20 **JCF22-8** S. Narita (Iwate University)

Recent Progress of Deuterium/Hydrogen Desorption Experiment Using Pd-Ni Sample

15:20-16:00 **Panel Discussion**

Adjourn